

Articulation Agreement (2021)

Northwestern Polytechnic University (NPU) & Chabot College

NPU Bachelor of Science in Computer Science (BSCS)					
NPU Degree Requirements	Required NPU course or course category	Specific Chabot College Course(s) (2020 – 2021 Catalog)	CSU GE Breadth ¹ equivalent	C-ID ² equivalent	
General Education Requirements (40 semester Units)	English & Communications (12 semester credits)	ENGL 101 Expository Writing	ENGL 1 Critical Reading & Composition or ENGL 1A Critical Reading & Composition	N/A	ENGL 100/ ENGL 110
		ENGL 115 Public Speaking	COMM 1 Fundamentals of Speech Communication	A1	COMM 110
		ENGL 425 Modern American Literature	ENGL 35 Modern & Contemporary U.S. Literature	C2	ENGL 135
		3 additional credits in area	Any course with a CSU GE A1, A2 and/or A3 designator	A1/A2/A3	n/a
	Humanities (6 semester credits)	6 credits in area	Any course with a CSU GE C1 and/or C2 designator	C1/C2	n/a
	Mathematics and Natural Sciences (16 semester credits in BSCS)	MATH 201 Calculus I	MTH 1 Calculus I or MTH 15 Applied Calculus I	n/a	MATH 210
		MATH 202 Calculus II	MTH 2 Calculus II or MTH 16 Applied Calculus II	n/a	MATH 220
		MATH 203 Linear Algebra	MTH 6 Elementary Linear Algebra	n/a	MATH 250
MATH 208 Probability and Statistics		MTH 43 Introduction to Probability & Statistics or MTH 43S Introduction to Probability & Statistics with Support or BUS 19 Business Statistics or PSY 5 Introductory Statistics for the Behavioral & Social Sciences	n/a	MATH 110	
PHYS 201/201L Physics I with Lab		PHYS 4A General Physics I, or A course with a CSU GE Breadth designator B1 or B2 (with B3 for lab) that earned at least 4 semester units	B1, B3	PHYS 205	

¹ Courses without a CSU GE Breadth Designator will be evaluated individually

² Courses without a C-ID designator will be evaluated individually

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Social Sciences (6 semester credits)	SOC 450 Emotional Intelligence	No equivalent courses	n/a	n/a
	3 additional credits in area	3 semester credits Any course(s) with CSU GE Breadth Area D	D	n/a
Major course requirements (65 units BSCS)	BUS450 Professional and Technical Writing	ENGL 70 Report Writing	n/a	BUS 115
	CE305 Computer Organization	CSCI 21 Computer Organization & Assembly Language Programming	n/a	COMP 142
	CS 200 Discrete Logic	MTH 8 Discrete Mathematics <u>or</u> CSCI 28 Discrete Mathematics	n/a	COMP 152
	CS230/230L Linux & Shell Scripting/Lab	CSCI 42 Unix Tools, Shell Programming & System Administration Concepts	n/a	n/a
	CS350/350L Data Structures/Lab	CSCI 20 Introduction to Data Structures	n/a	COMP 132
	CS360/360L Programming in C and C++/Lab	CSCI 14 Introduction to Structured Programming in C++	n/a	COMP 122
	CS470 Network Engineering and Management	CAS 92B Routing & Switching Essentials	n/a	n/a
	CS 477 Ethical Hacking & Penetration Testing	CAS 75 Introduction to Cybersecurity: Ethical Hacking (Whitehat Hacker)	n/a	n/a
	CS480/480L Java and Internet Applications/ Java Programming Lab	CSCI 19A Object-Oriented Programming Methods in Java	n/a	n/a
	P450 Career Development	PSCN 10 Career & Educational Planning	n/a	n/a
All other major course requirements not listed above (33 units)	No equivalent courses	n/a	n/a	

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Electives	15 semester credits in area	15 semester credits Any course identified as transferable to CSU or UC.	n/a	n/a
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NPU Bachelor's in Business Administration & Information Sciences (BBAIS)					
NPU Degree Requirements	Required NPU course or course category	Specific College of Chabot College Course(s) (2020 – 2021 Catalog)	CSU GE Breadth ¹ equivalent	C-ID ² equivalent	
General Education Requirements (36)	English & Communications (12 semester credits)	ENGL 101 Expository Writing	ENGL 1 Critical Reading & Composition <u>or</u> ENGL 1A Critical Reading & Composition	N/A	ENGL 100/ ENGL110
		ENGL 115 Public Speaking	COMM 1 Fundamentals of Speech Communication	A1	COMM 110
		ENGL 425 Modern American Literature	ENGL 35 Modern & Contemporary U.S. Literature	C2	ENGL 135
		3 additional credits in area	Any course with a CSU GE A1, A2 and/or A3 designator	A1/A2/A3	n/a
	Humanities (6 semester credits)	6 credits in area	Any course with a CSU GE C1 and/or C2 designator	C1/C2	n/a
Mathematics and Natural Sciences (9 semester credits in BBAIS)	MATH 208 Probability and Statistics	MTH 43 Introduction to Probability & Statistics <u>or</u> MTH 43S Introduction to Probability & Statistics with Support <u>or</u> BUS 19 Business Statistics <u>or</u> PSY 5 Introductory Statistics for the Behavioral & Social Sciences	n/a	MATH 110	

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		PHYS 101 Introduction to Physical Sciences	PHYS 11 Descriptive Physics, or transfer courses acceptable in lieu of: Physical Sciences or Biological Sciences (CSU areas B1, B2 or IGETC areas 5A, 5B)	B1, B2	n/a
		3 additional credits in area	Any course with a CSU GE Breadth designator B1, B2, B3, and/or B4	B1/B2/B3/ B4	n/a
Social Sciences (9 semester credits)		SOC 450 Emotional Intelligence	No equivalent courses	n/a	n/a
	6 additional credits in area	6 semester credits Any course(s) with CSU GE Breadth Area D		D	n/a
Major Requirements (60 trimester credits BBAIS)		ACC 201 Principles of Accounting I	BUS 1A Financial Accounting	n/a	ACCT 110
		ACC 202 Principles of Accounting II	BUS 1B Managerial Accounting	n/a	ACCT 120
		BAN199 Excel for Finance, Accounting & Analytics	BUS 92 Excel Spreadsheets for Accounting <u>or</u> CAS 54 Microsoft Excel	n/a	n/a
		BLAW310 Introduction to Business Law	BUS 10 Business Law	n/a	BUS 125
		BUS450 Professional & Technical Writing	ENGL 70 Report Writing	n/a	n/a
		ECON 201 Macroeconomics	ECN 2 Principles of Macroeconomics	n/a	ECON 202
		ECON 202 Microeconomics	ECN 1 Principles of Microeconomics	n/a	ECON 201
		IT221 HTML & CSS Web Page Construction	DIGM 16 HTML & CSS for Designers	n/a	n/a
		IT337 JavaScript	DIGM 17 Javascript for Designers	n/a	n/a
		MGT 310 Principles of Management	BUS 22 Introduction to Management	n/a	n/a
	MGT 451 Agile Project Management	BUS 88 Introduction to Project Management <u>or</u> BUS 97 Project Management Certification Exam Preparation	n/a	n/a	

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	MGT 480 Entrepreneurship	ENTR 1 Introduction to Entrepreneurship <u>or</u> ENTR 30 The Business Plan	n/a	n/a
	MKT310 Principles of Marketing	BUS 36 Introduction to Marketing	n/a	n/a
	P450 Career Development	PSCN 10 Career & Educational Planning	n/a	n/a
	All other major course requirements not listed above (31 units)	No equivalent courses	n/a	n/a
Electives	24 semester credits in area	24 semester credits Any course identified as transferable to CSU or UC.	n/a	n/a

This agreement will automatically renew each year. In the event of significant curriculum change, NPU staff is responsible for updating the agreement.

Monica Sinha, Director of Admissions & Special Projects

NPU Staff Member (name, title)

March 12, 2021

Date